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tungstic acid ph zirconia catalyst

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Synthesis of solid superacid of tungsten oxide supported on zirconia and its catalytic action for

...
 M Hino, K Arata - Journal of the Chemical Society, Chemical Communications, 1988 - xlink.rsc.org
 ... The catalyst was active for butane isomerisation at ... e. tungsten oxide combines with zirconium oxide to ... by the kneading method with tungstic acid (H₂WO₄) which ...
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... -cracking of n-octane on Pt/WO₄--ZrO₂ and Pt/SO₄--ZrO₂ Effect of Pt load on catalyst ...

JM Grau, JC Yori, JM Parera - Applied Catalysis A, General, 2001 - Elsevier
 ... prepared with ammonium metatungstate or tungstic acid, being these ... obtained by hydrolysis of zirconium oxychloride (Strem ... ammonium hydroxide up to pH=10, then ...
 Cited by 25 - Related articles - Web Search - All 4 versions

Influence of the tungsten oxide precursor on WO_x ZrO₂ and Pt WO_x ZrO₂ properties

SR Vaudagna, RA Comelli, NS Figoli - Applied Catalysis A, General, 1997 - Elsevier
 ... by incipient wetness impregnation of dried zirconium hydroxide with ... preparation of samples ITE, a tungstic acid solution (H₂WO₄ ... ppm W and its initial pH= 11 was ...
 Cited by 32 - Related articles - Web Search - All 4 versions

Catalytic incineration of organic compounds

PH Nguyen, EW Stern, M Deebe, PL Burk - US Patent 5,283,041, 1994 - freepatentsonline.com
 ... as ammonium hydroxide to obtain a pH of 8 ... used if a core material comprising zirconium oxide and ... tin bromide, tin chloride, tungstic acid, ammonium paratungstate ...
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n-Butane isomerization on Pt/WO₃-ZrO₂: effect of the Pt incorporation

JC Yori, CL Pleck, JM Parera - Applied Catalysis A, General, 1999 - Elsevier
 ... Zirconium oxide ZrO₂ , obtained by calcination of Zr(OH ... solution was maintained for 7 days at pH=6. The ... form of an ammoniacal solution of tungstic acid (H₂WO₄) ...
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Zirconium hydroxide supported metal and heteropolyacid catalysts

SL Soled, GB McVicker, S Niseo, WE Gates - US Patent 5,391,532, 1995 - freepatentsonline.com
 ... product of phosphoric or silicic acid with tungstic acid. ... tungstophosphoric acid and 12-tungstosilicic acid are commercially ... may be precipitated, at a pH of 9 ...
 Cited by 6 - Related articles - Web Search - All 7 versions

Zirconia-supported phosphotungstic acid as catalyst for alkylation of phenol with benzyl alcohol - ► 203.199.213.48 [PDF]

BM Devassy, GV Shanbhag, F Lefebvre, W Böhringer, ... - Journal of Molecular Catalysis. A, Chemical, 2005 - Elsevier
 ... zirconium hydroxide with a solution of tungstic acid dissolved in ... solution, heteropolyanions are not stable at pH > 1 as ... free and acts as Brønsted acid sites. ...
 Cited by 5 - Related articles - Web Search - All 4 versions

HYDROGENATIVE CONVERSION CATALYSTS

DA Young - US Patent 3,928,233, 1975 - [freepatentsonline.com](#)

... in aqueous ammonium carbonate at a pH of about ... to form the corresponding molybdenum and zirconium or titanium ... to precipitate molybdic or tungstic acid and the ...

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Silica supported metal and heteropolyacid catalysts

SL Soled, GB McVicker, S Miseo, WE Gates - US Patent 5,420,092, 1995 - [freepatentsonline.com](#)

... product of phosphoric or silicic acid with tungstic acid. ... tungstophosphoric acid and 12-tungstosilicic acid are commercially ... may be precipitated, at a pH of 9 ...

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EPOXIDATION PROCESS C

CM Gable - US Patent 2,870,171, 1959 - [Google Patents](#)

... meters per gram, or the silica-magnesia or silica-zirconia gel cracking ... Catalyst Support ... of aqueous sodium hydroxide to 1 mole of tungstic acid (pH of mixture ...

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Key authors: K Arata - J Yori - M Hino - C Chang - J Parera

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